

PRODUCT BROCHURE

KERN 572-49

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ENGLISH



All-rounder, e.g. as precision balance in the laboratory or in harsh industrial applications, ideal for the diverse possibilities of Industry 4.0 applications

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PRODUCT SHOWCASE



DESCRIPTION

- Thanks to the many typical laboratory functions, such as, for example, recipe function, percentage determination, combined with the high level of precision, the KERN 572 is a reliable partner for day-to-day work in the laboratory
- The robust version, typical industrial functions, such as piece-counting, vibrationfree weighing and the large weighing ranges also make these balances ideal for all industrial applications, where a high level of precision is required
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers
- Standardised, simplified concept of operation
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- The robust aluminium diecast housing maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- Level indicator to level the balance precisely
- Protective working cover included with delivery

SPECIFICATIONS

Article codes, product groups & Status

information

Model article-code	572-49
Model-Serie	572
Assortment	KERN
Product Type	Laboratory balances
Product group	Precision balances
Product usage type	Main article
EAN code (Model)	4045761356917
Predecessor Model	572-49-2021a
Customs tariff number	84238129
CE Label	yes

Technical data - Primary

Weighing capacity	16 kg
Readability	0.0001 kg
Repeatability	0.0001 kg
Linearity	± 0.0003 kg
Minimum piece weight	1 g
Weighing surface (d)	160×200 mm

Technical data - Construction

Dimension housing (W×D×H)	180×310×85 mm
Bubble Level	yes
Material weighing plate	stainless steel
Revolving screw feet	yes
Casing material	cast aluminium
Dimensions of weighing plate (W×D)	160×200 mm

Weighing surface (d)	160×200 mm
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Technical data - Display

Display height	21 mm
Backlight	yes

Technical data - Power supply

Mains adapter/adaptor included	CH;EURO;UK;US
Charging time	8 h
Input Voltage	100 V - 240 V AC, 50 / 60 Hz
Operating time (Backlight off)	48 h
Rechargeable battery	Rchrg. battery optional (factory)

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.0003 kg
Minimum weight (USP)	200 g
Readability	0.0001 kg
Recommended adjusting weight	5 kg (F1); 10 kg (F1)
Repeatability	0.0001 kg
Stabilisation time under laboratory conditions	2 s
Warm up time	120 min

Technical data - Environmental conditions

Maximum humidity	80 %
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Maximum operating temperature 40 °C

Minimum ambient temperature -10 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 400×340×220 mm

Gross weight 4.8 kg

Net weight 2.8 kg

Shipping method Parcel service

Packaging component - by weight - cardboard 1050 g

Packaging component - by weight - styrofoam 1050 g

Delivery time 1 d

Technical data - Counting data

Counting resolution 160000

Minimum piece weight at piece counting (Laboratory) 100 mg

Minimum piece weight 1 g

Optional Services

DAkkS Calibration 963-128

FUNCTIONS

Standard



Option



Factory



ACCESSORIES

Model	Description
YKR-01	Internal Rechargeable Battery Pack KERN YKR-01
YKA-27	Power Adapter KERN YKA-27
YKH-01	Thermal printer KERN YKH-01
KUP-01	Adapter KERN KUP-01
KUP-03	Adapter KERN KUP-03
KUP-04	Adapter KERN KUP-04
KUP-05	Adapter KERN KUP-05
KUP-06	Adapter KERN KUP-06
KUP-13	Connecting cable KERN KUP-13
YKT-01	Needle printer KERN YKT-01

SERVICES

Model	Description
963-128	DAkkS Calibration KERN 963-128
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517
970-103	Warranty extension KERN (+2 years) 970-103

SPARE PARTS

Model	Description
R572-5001	DC socket R572-5001
YKA-27	Power Adapter KERN YKA-27
RT572-4001	Keyboard overlay KERN RT572-4001
RT572-1003	Load cell KERN RT572-1003
RT572-8001	Adjustable foot / rubber foot KERN RT572-8001
RTDS-2001	Main PCB KERN RTDS-2001
RT572-9001	Level bubble KERN RT572-9001
RT572-8002	Adjustable foot (rear) KERN RT572-8002
RT572-6003	Weighing plate KERN RT572-6003
RTMCN-9001	KUP Interface KERN RTMCN-9001
RT572-3001	LCD Display KERN RT572-3001

SOFTWARES

Model	Description
SET-17	KERN EasyTouch SET-17 PrePack
SET-01	KERN EasyTouch SET-01 Base
SET-21	KERN EasyTouch SET-21 Formulation
SET-22	KERN EasyTouch SET-22 Difference
SET-31	KERN EasyTouch SET-31 Tolerance
SET-32	KERN EasyTouch SET-32 Count
SET-33	KERN EasyTouch SET-33 Target Count
SET-04	KERN EasyTouch SET-04 Density
SET-05	KERN EasyTouch SET-05 Dynamic
SET-06	KERN EasyTouch SET-06 Classification
SET-07	KERN EasyTouch SET-07 Variable
SET-08	KERN EasyTouch SET-08 Take-out
SET-10	KERN EasyTouch SET-10 Save Server
SET-11	KERN EasyTouch SET-11 Safety
SET-16	KERN EasyTouch SET-16 Batch and Statistics
SET-14	KERN EasyTouch SET-14 Individual Print
SET-28	KERN EasyTouch SET-28 Customization Service
SET-35	KERN EasyTouch SET-35 Assembly Count
SET-18	KERN EasyTouch SET-18 Container Master
SET-46	KERN EasyTouch SET-46 Backup Scheduler
SET-51	KERN EasyTouch SET-51 Audit Logs
SET-411	KERN EasyTouch SET-411 Hotkeys
SET-52	KERN EasyTouch SET-52 Inventory

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity	Minimum piece weight	Weighing surface (d)
572-30	240 g	0.001 g	0.001 g	± 0.003 g	10 mg	106 mm
572-31	300 g	0.001 g	0.002 g	± 0.005 g	10 mg	106 mm
572-32	420 g	0.001 g	0.002 g	± 0.005 g	10 mg	106 mm

Model name	Weighing capacity	Readability	Repeatability	Linearity	Minimum piece weight	Weighing surface (d)
572-33	1600 g	0.01 g	0.01 g	± 0.03 g	100 mg	150 mm
572-35	2400 g	0.01 g	0.01 g	± 0.03 g	100 mg	150 mm
572-37	3000 g	0.01 g	0.02 g	± 0.05 g	100 mg	150 mm
572-39	4200 g	0.01 g	0.02 g	± 0.05 g	100 mg	150 mm
572-45	12000 g	0.05 g	0.05 g	± 0.15 g	500 mg	160×200 mm
572-55	20 kg	0.00005 kg	0.0001 kg	± 0.00025 kg	500 mg	160×200 mm
572-43	10 kg	0.0001 kg	0.0001 kg	± 0.0003 kg	1 g	160×200 mm
572-49	16 kg	0.0001 kg	0.0001 kg	± 0.0003 kg	1 g	160×200 mm
572-57	24 kg	0.0001 kg	0.0001 kg	± 0.0003 kg	1 g	160×200 mm